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**(54) ACCELERATION
OPENING SENSOR**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a lighter and more inexpensive acceleration opening sensor with sufficient and effective output voltage in a stroke range of an acceleration pedal.

SOLUTION: A sensor 90 has a linear area (a variable area) where output voltage V is changed in proportion to an acceleration opening θ and a stepped area (an non-variable area) where the output voltage V is not changed with respect to an acceleration opening θ . A resistance electrode 94 constituting the sensor 90 is formed with a resistance material laminated on a substrate 92 in a linear portion 94a corresponding to the linear area and with a resistance material laminated on a conductive layer 95 composed of the conductive material formed on the

substrate 92 in a stepped portion 94b corresponding to the stepped area.

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